.

SOV/101-59-5/2/11 The Automatic Regulation of the Charging of Tube-Ball Mills

amount of material fed into the mill (Figure 1). Regulation of the charging is done by the "Pendan" type dosing device, in which a belt conveyor functions simultaneously as a weigher and as a feeder. Such an arrangement maintains a definite relation between the variable amount of the material charged into the chamber and the position of the dose distributor. Figure 2 shows the above arrangement. A static regulation of the charging of chamber I of the raw material mill is shown in Figure 3. This regulation assembly has been tested at the "Oktyabr'", Nizhne-Tagil'skiy and Leningradskiy tsementnyye zavody ("Oktyabr'", Nizhniy-Tagil and Leningrad Cement Plants). Automatic regulation increases the productivity of the mills by about 5 to 10%. The authors conclude that depending upon the readiness of the plant, automatic regulation will be introduced at all cement plants, using the wet grinding process. There are 3 diagrams.

Card 2/2

APPROVED FOR RELEASE: Tuesday, September 17, 2002 GIA RDP06 00518R0005

GIRSHOV, L. A. (Leningrad); GEL'MAN, I. V. (Leningrad); DOBRIN, L. A. (Leningrad)

Some engineering methods for analyzing control objects with monotonous transitive functions. Avtom. i telem. 23 no.9: 1210-1214 S 162. (MIRA 15:10)

(Automatic control)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

NESMEYANOV, A.N.; NOGINA, O.V.; BERLIN, A.M.; GIRSHOVICH, A.S.; SHATALOV, G.V.

Acyl and alkoxyl derivatives of bis-(cyclopentadienyl)titanium and the refraction increment of the -C5H5Ti group. Izv. AN SSSR Otd.khim.nauk no.12:2146-2151 D *61. (MIRA 14:11)

 Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (Titanium compounds) L 18184-63 EWP(j)/EPF(c)/EWT(m)/BDS ASD Pc-4/Pr-4 RM/MAY/WW S/0190/63/005/009/1284/1287

AUTHOR: Korshak, V. V.; Sladkov, A. M.; Luneva, L. K.; Girshovich, A. S.

TITLE: Synthesis and study of polymers containing allyloxytitano-cene

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 5, nc. 9, 1963, 1284-1287

TOPIC TAGS: titanium compounds, titanocene, dicyclopentadienyltitanium(IV) dichloride, allyl alcohol, allyloxytitanocene,
allyloxydicyclopentadienyltitanium(IV) chloride, synthesis, polymeri zation, polymer, dicyclopentadienyltitanium(IV) dichloride.
trimer, styrene, methyl methacrylate, copolymerization, copolymer,
allyloxydicyclopentadienyltitanium(IV). polymer with styrene,
styrene. polymer with allyloxydicyclopentadienyltitanium, allyloxydicyclopentadienyltitanium(IV). polymer with methyl methacrylate,
methyl methacrylate. polymer with allyloxydicyclopentadienyltitanium, copolymer structure, copolymer property

Card 1/3

BR0005

L 18184-63 ACCESSION NR: AP3006746

ABSTRACT: The synthesis of allyloxytitanocene [allyloxydicyclopentadienyltitanium chloride] (I) and its polymerization and co-polymerization with styrene or methyl methacrylate have been studied. After an unsuccessful attempt to synthesize bis allyloxytitanocene [bis(allyloxy)dicyclopentadienyltitanium] from 1 mol titanocene [dicyclopentadienyltitanium dichloride] and 2 mols allyl alcohol, I was prepared from stoichiometric amounts of the starting materials in the presence of ammonia to bind HCl. The structure of I was determined by IR spectroscopic analysis. Polymerization of I in toluene solution at 100C for 10 hr in the presence of 0.1%benzoyl peroxide yielded the trimer of I, as shown by molecularweight measurements and IR and elemental analysis data. Copolymers of I, together with polystyrene or poly(methyl methacrylate), were produced by heating 10% I solutions in styrene or methyl methacrylate at 1200 for 3 hr in the presence of 0.5% benzoyl peroxide. The copolymers are orange transparent solids with molecular weights of 22,100 and 70,000. IR spectroscopic analysis of the copolymers showed that the titanocene groups [sic] are located in the side chains and that the backbones of the copolymers differ from those

Card 2/3

L 18184-63

ACCESSION NR: AP3006746

of polystyrene and poly(methyl methacrylate). The softening point of the copolymer with styrene (120C) is higher than that of polystyrene (100C). Orig. art. has: 2 figures.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Organoelemental Compounds, AN SSSR)

SUBMITTED: 23Dec61

DATE ACQ: 30Sep63

ENCL: 00

SUB CODE: CH

NO REF SOV: 003

OTHER: 002

Card 3/3

CIA-RDP86-22543R0005

GIRSHOVICH IA

ZVYAGIN, L.M., kandidat meditsinskikh nauk; GIRSHOVICH, E.A.; SOMOVA, V.V.

Transfusion of N.G. Belen'kii's therapeutic serum in insufficient lactation. Akush. i gin. no.3:51-54 My-Je '55 (MLRA 8:10)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. kafedroy-prof. F.G.Uglov) i akushersko-ginekologicheskoy kliniki (zav.kafedroy-prof. I.I.Yakovlev) I Leningradskogo meditsinskogo i stituta imeni akad. I.P.Pavlova)

(LACTATION DISORDERS

hypogalactia, ther., serum of Belen'kii)

(BLOOD SERUM

serum of Belen'kii in ther. of hypogalactia)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000
APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

GIRSHOVICH, M.G.

High-speed machine-tool attachments for small-lot production. Stan.i instr. 31 no.10:34-35 0 '60. (MIRA 13:10)

(Machine tools—Attachments)

CIA-RDP86-00513R000

BR0005

ACC NR. AP6021831

SOURCE CODE: UR/0413/66/000/012/0171/0171

INVENTOR: Girshovich, M. G.; Kilyakov, A. D.; Kozhevin, I. A.

ORG: None

TITLE: Stocks for assembling cylindrical and tapered aircraft sections. Class 87, No. 183136

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 171

TOPIC TAGS: aircraft industry, aircraft fuselage, aircraft maintenance equipment

ABSTRACT: This Author's Certificate introduces: 1. Stocks for assembling cylindrical and tapered sections and other similar structures. The section end ribs rest on joint rings which are fixed to mutually parallel horizontal support plates. The lower plate is fixed while the upper plate can be moved. These plates are located between vertical columns which in turn are rigidly fixed to a stationary base. Setup time is cut during changeover from one type of assembly to another, and the number of required tools and attachments is minimized by equipping the stocks with a coordinate unit consisting of a lower support plate with a turnet which can rotate about the vertical axis, a vertical bar which is fixed at the turnet end and other supports which have horizontal bars. Each of these bars may be moved in a horizontal direction and carries a working tool such as a holding device or a trimming head. 2. A

Card 1/2

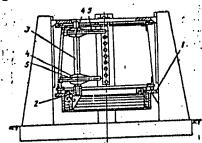
UDC: 621.757:629.13.012.2

CIA-RDP86-00513R000 CIA-RDP86-**513**R0005

eptember 17, 2002

ACC NR AP6021831

modification of this device with a vertical bar equipped with a vernier scale. 3. A modification of this device with a vertical par equipped with a vernier scale. 3. A modification of this device for cutting setup time during assembly of periodically repeated batches of aircraft sections. The horizontal and vertical bars are equipped with slats, the lower support plate is fitted with rings, and the supports and turret have jig guides for boring index pin holes in the slats and rings.



1-lower support plate; 2-turret; 3-vertical bar; 4-supports 5-horizontal bar

SUB CODE: 41,13/ SUBM DATE: 01Feb65

Card 2/2

CIA-RDP86-00513R000

BR0005

112-1-1420

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 1, p. 215 (USSR)

Brik, Ye.A., Girshovich, M.I. AUTHORS:

TITLE:

Automation of the Drying-and-Impregnating Processes of Power Cables (Avtomatizatsiya sushil' no-propitochnogo

protsessa silovykh kabeley)

PERIODICAL: Inform. tekhn. sb. M-vo elektrotekhn. prom-sti SSSR,

1956, Nr 4(88), pp.19-21

Bibliographic entry ABSTRACT:

Card 1/1

GIRSHOUICH, MI

CIA-RDP86-00513R000

6-22513R0005

GIRSHOVICH, M. V. Cand. Physicomath Sci.

Dissertation: "Geometrical Constructions on Lobachevskiy's Flane." Moscow State Pedagogical Inst. imeni V. I. Lenin 22 Dec. 1947.

SO: Vechernyaya Moskya, Dec. 1947 (Project #17836)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

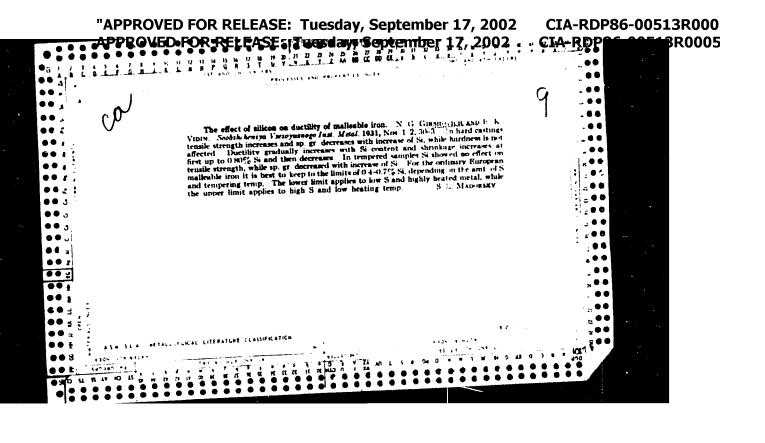
GIRSHOVICH, M.V. (Kalinin)

Solvability conditions for second-degree construction problems on a Lobachevskii plane using a straightedge alone. Lav. vys. ucheb. zav.; mat. no.5:30-38 *63. (MIRA 16:11)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday PSeptember 17, 2002 GIA-RDP BR0005 . • • Theory of the malleabiliting process. N. G. Gushevicki Astroff, K. Virus. Translant Metals (Moscow) No. 4, 3, 117. (Bighth sintimary) TIN (0 (220). "The authors explain the mechanism of graphitization and decarbinization of white east Fe. Direct surmation of temper C takes place in the attainment of equil. after decomposit all free elements. The growth of castings is due to the decomposit committee and depends . . . 0 . . on the anit of temper C formed during annesling, and on the anit of C outdired out of the cementate or the wild solo **: • •** . • • l • • ... ● ● 전 0 0

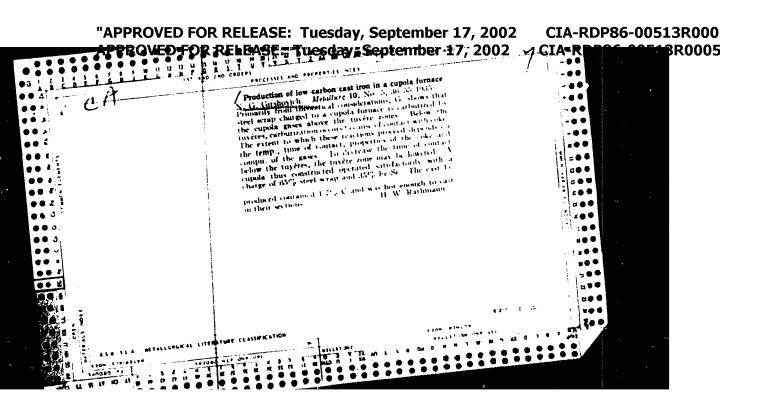
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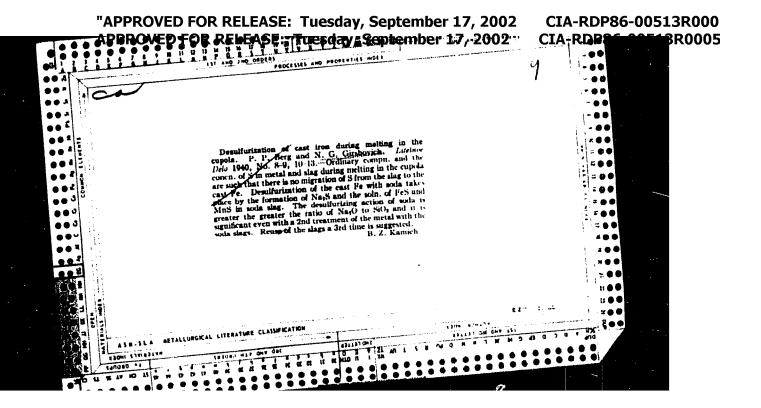
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"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE Manual Manual Company Sentember 17, 2002 CIA-RDP BR0005 0 B. 1 PROCESSES AND PROPERTIES IN FI ... • • • Esting black heart melleable from in a cupela furnace. E. K. Vidin and N. G. Grighten Repts. Inst. Metals (Leningrad) No. 16, "If the German 12)(1933). The cupola furnace is arrely used for the prepn. of malleable cupola furnace arrely used for the prepn. of malleable is been been of the exercisive absorption of C into the level because of the exercisive absorption of C into the next in the stype of furnace. A method has been suched metal in the type of furnace are the cupola and decout by which the Fe is first melleal in a cupola and decout by which the Fe is first melleal in a cupola and decout by which the Fe is first melleal in a cupola and decout burner of the production of black heart malleable Fe of required content of Si, S, Mn and C.

S. L. M. -•• . . C ---•• 4 - 0 0 **# ●** ... **= 0** . o o • • o 3 **6 6** •• 3 . **.** 0 B ... 2●● ו• ٠, ٠ 3**0 9** :00 100 S INDUCTION OF THE PROPERTY OF





"APPROVED FOR RELEASE: Tuesday, September 17, 2002 day, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-**E18**R0005

GIRSH VICH. N.[G]

Cast-iron founding. A tertbook
Leningrad, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, labo.
708 p. (50-37376)

TN710.G5

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

GIRSHOVICH, N. G.

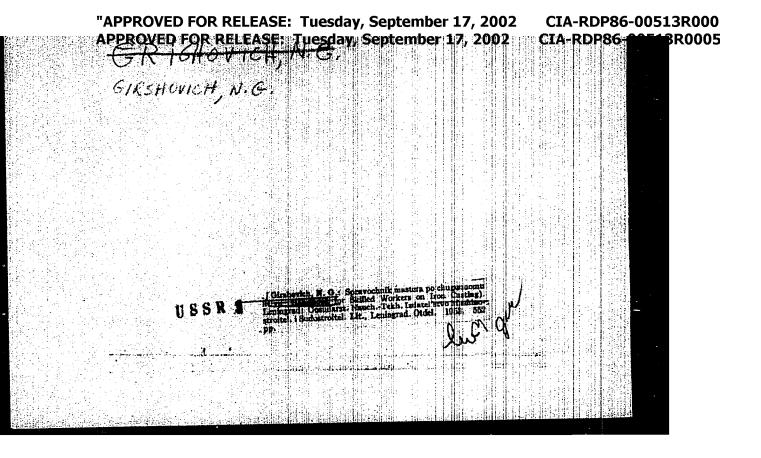
USSR/Metals - Cast Iron, Technology, Processes Jan 52

"On Certain Theoretical Problems of Melting Cast Iron in a Cupola," N. G. Girshovich, Dr Tech Sci, Leningrad Polytech Inst imeni Kalinin

"Litey Proizvod" No 1, pp 20-23

Analyzes effect of various factors on melting process in cupola, such as: zones of combustion, excess of air, melting belt, compn of cupola gases and its relationship to temp in furnace, amt of air blown into cupola, productive capacity of cupola.

204769



"APPROVED FOR RELEASE: Tuesday, September 17, 2002 APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86 **E48**R0005

1. GIRSHOVICH, N.G.

2. UDSR (600)

Cast Iron

Disputable questions in the theory of graphitization, N.G. Girshovich, Lit. proizv. no. 4 153.

APRIL __1953, Uncl. 9. Monthly List of Russian Accessions, Library of Congress,

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

SOV (137-57-11-22365

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 246 (USSR)

· AUTHORS Girshovich, N.G., Maksimov, S.K., Mikhaylov, V.A.

TITLE. The Properties of Nodular Cast Iron at Elevated Temperatures and the Possibilities for its Employment as Reinforcement Metal (Svoystva chuguna's sharovidnym grafitom pri povyshennykh temperaturakh i vozmozhnost' yego ispol'zovanya dlya

armatury)

PERIODICAL: V sb.: Polucheniye otlivok iz vysokoprochnogo chuguna.

Moscow, Izd-vo AN SSSR, 1955, pp 114-123

An investigation was made of the mechanical properties of cast irons, namely, ferritic and pearlific territic malleable, inoculated gray, high-strength pearlific (HSP) and ferritic (HSF), and cast steel (Nr 25 steel) at <500°C under short and long-term loadings. σ_b and σ_s diminish with increase in temperature. HSP shows the greatest strengths, and inoculated cast iron and ferritic malleable cast iron show the lowest, with

Nr 25 steel, HSF, and pearlitic-ferritic cast iron occupying intermediate positions, δ rising with temperature. δ is

Card 1/2 highest in the case of Nr 25 steel and is followed by HSF, then

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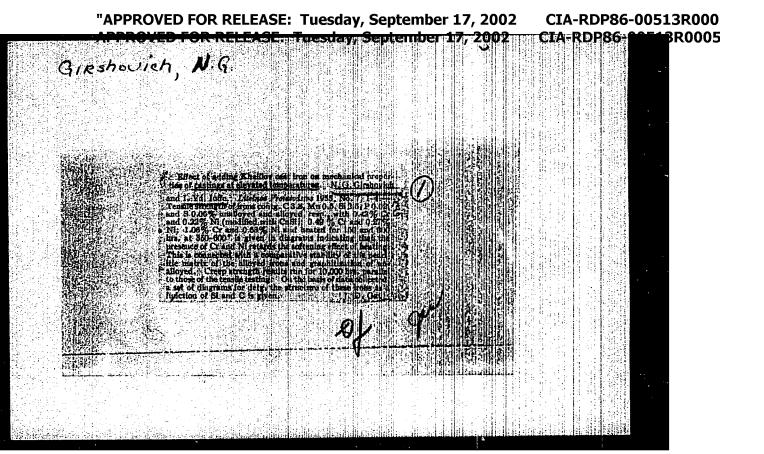
SOV/137-57-11-22365

The Properties of Nodular Cast Iron at Elevated Temperatures (cont.)

HSP, etc. Long preliminary soaking at high temperature results in a decline in strength and a rise in δ . High strength cast iron becomes brittle when held in the 400-5500 interval. HSI reveals the maximum strength and the minimum rate of drop therein under long soaking. At 500° , the $\sigma_{\rm b}$ is as follows, in kg/mm² 13.2 for HSP, 10.9 for Nr 25 steel. 0.1 for pearliticferritic malleable cast iron, 8.0 for HSF, 7.4 for ferritic cast iron, and 7.0 for inoculated gray iron. Under these temperature conditions as well, δ is higher for steel (16-22%) than for pig iron (6-12%). The increase in the cast iron at 500% is as follows in % 0.2 for HSP and inoculated gray iron, 0.12 for pearlitic-ferritic malleable cast iron, 0.05 for ferritic malleable cast iron. 0.06 for HSF. At 425° , $\sigma_{\text{ductility}}$ is as follows, in kg/mm² 7.8 for HSF, 6.1 for pearlitic ferritic malleable cast from 5.0 for ferritic malleable cast iron, and 8 for Nr 25 steel. Direct tests of reinforcement show that when brittleness is eliminated. high-strength cast iron is close to Nr 25 and may be used at temperatures of up to 4250 and a nominal pressure of $\leq 40 \text{ kg/cm}^2$

Card 2/2

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"APPROVED FOR RELEASE: Tuesday, September 17, 2002 APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

GIRSHOVICH M.C., professor, doktor tekhnicheskikh nauk; NEKHENEZI, Yu.A., professor, doktor tekhnicheskikh nauk.

Analytic solutions for simple problems on solidification of castings with varying configurations. Lit.proizv. no.4:13-17 Ap 156. (MLRA 9:7) (Founding-Tables, calculations, etc.)(Solidification)

GIRSHOVICH, N.G., doktor tekhnicheskikh nauk; NEKHKNDZI, Yu.A., doktor tekhnicheskikh nauk.

Analytic solution of simple problems on the solification of various configurational castings. Lit.proizv. no.6:14-18 Je '56. (MLRA 9:8)

(Solidification) (Founding)

CIA-RDP86-00513R000

CIA-RDP86-20518R0005

GIRSHOVICH, N.G., doktor tekhnicheskikh nauk.

The shape of head metal. Lit.proizv. no.10:32 0 '56. (MIRA 9:11) (Founding)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002
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"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September **BR0005**

GIRSHOVICH. N. G.

GIRSHOVICH, N.G.; NEKHENDZI, Yu.A.

Foundry practices in Leningrad. Lit.proizv. no.10:13 0 '57.
(MIRA 10:12)

(Leningrad -- Founding)

■R0005

GIRSHOVICH, N.G.; DLUGACH, L.S. [deceased]

New method for testing cast iron. wit.proizv. no.12:22-23 D '57 (MIRA 11:1)

(Cast iron--Testing)

GIRSHOVICE N.G.

PHASE I BOOK EXPLOITATION 1216

Soveshchaniye po teorii liteynykh protsessov. 2d, Moscow, 1956

- Zatverdevaniye metallov; trudy soveshchaniya... (Solidification of Metals; Transactions of the Second Conference on the Theory of Foundry Processes) Moscow, Mashgiz, 1958. 532 p. 3,500 copies printed.
- Sponsoring Agencies: AN SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya; and AN SSSR. Institut metallurgii.
- Ed. (Title page): Gulyayev, B.B., Doctor of Technical Sciences, Professor; Ed. (Inside book): Novikov, P.G., Candidate of Technical Sciences; Ed. of Publishing House: Chernysheva, N.P.; Tech. Ed.: Uvarova, A.F.; Managing Ed. for Literature on Heavy Machine Building: Golovin, S.Ya., Engineer.
- PURPOSE: This book is intended for a wide circle of engineers, technicians, and scientists working in the fields of general metallurgy, physical metallurgy, and the production of castings.

Card 1/8

A RDP86-00518R0005

Solidification of Metals (Cont.)

1216

COVERAGE: The book is a collection of 29 papers concerned with the determination of fixed patterns of metal solidification and also with the determination of favorable conditions for the production of sound castings. The authors discuss heat phenomena in metallic and sand molds, properties of mold materials, conditions of solidification of castings in shell molds, kinetics of the warming-up of porous bodies (molds), effect of alloy composition on the solidification process, conditions for the development of a zonal structure and of chemical heterogeneity of castings, and other matters of current interest. There are also discussions of the use of model testing and radioactive isotopes for studying solidification. No personalities are mentioned.

TABLE OF CONTENTS:

Preface

3

Gulyayev, B.B., Doctor of Technical Sciences, Professor.
Present State of Investigations of Metal-solidification
Processes

5

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Solidification of Metals (Cont.) 1216	
I. HEAT-TRANSFER PROCESSES IN THE SOLIDIFICATION OF CASTINGS	
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"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 tember 17, 2002 CIA-RDP86-**E48**R0005

807/163-58-1-11/53

AUTHORS:

Girshovich, N. G., Nekhendzi, Yu. A., Lebedev, B. I.

TITLE:

The Resistance to Cracking of Iron-Carbon Allovs (Treshchi-

noustoychivost: zhelezouglerodistykh spla/ov)

PERIODICAL:

Mauchnyye doklady vyssiey shkoly. Metallurgiya, 1958.

Nr 1, pp 48-54 (USSR)

ABSTRACT:

The resistance to cracking of iron-carbon alloys was quantitatively investigated. A special method based on the determination of the electric resistance was used for the investigation of the resistance to cracking. A jump-like change in the electrical resistance is caused by the formation of

cracks in the alleys.

The alloys investigated in addition to carbon also contained 0.35 - 0.45 % silicon. 0.7 - 0.8 % manganese, 0.035 % sulfur

and 0,05 - 0,06 % phosphorus.

Alloys with a content of 0.2% carbon are characterized by a higher resistance to cracking. The decrease of the carbon content therefore causes sharp decrease in the resistance to cracking. Iron alloys with a graphite system have a higher resistance to cracking than alloys with a cementite system.

Card 1/2

The Resistance to Cracking of Iron Carbon Alloys

\$0V/163-58-1-11/53

The resistance to cracking of iron-carson alloys as well as of the graphite and cementite systems was compared at a temperature of 50°C. The influence of sulfur and phosphorus on the resistance to cracking was investigated as well. Phosphorus exerts a considerable influence on the resistance to cracking in the alloys only in the case of low sulfur content. In metallurgical investigations it is shown that in the case of a higher sulfur content the sulfides enclosed accumulate at the boundary of the primary crystals of the alloys, which fact represents a decrease in the intercrystalline strength, and which represents a factor promoting the formation of cracks.

The investigation of the influence of casting temperatures on the resistance to cracking shows that when the casting temperatures are raised the resistance to cracking is decreased. There are 4 figures 3 tables, and 7 reference.

Card 2/2

ASSOCIATION:

Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute)

.

October 4, 1957

SUBMITTED:

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-**E18**R0005

AUTHORS:

Girshovich, N. G., Nekhendzi, Ya. A.

507/163-58-2-12/46

.TITLE:

Determining the Duration of the Hardering in Cascing Processes as a Scientific Method of Research (Opredelancy - production of the nosti zatverdeveniye otlirok kak menod namboykh deeledovardy)

PERIODICAL:

Nauthnayye doklady vysebsy shkoly. Metallungiya, 1918, Nr 2,

pp. 77-83 (USSR)

ABSTRACT:

The analytical and experimental determination of the duratics and the kinetics of the hardering in the disting process are of great theoretical and practical importance. In the hardening process the structure of the cast is formed. The determination of the duration of hardening may be used as a method for the scientific investigation, and from the results obtained the physical constant of the alloys, the oberscreenistics of the phase diagram, the characteristics of the opyenal fratum of the alloys and also some mechanical properties of the obligation of nardening is expressed to the simple formula:

SCV/165-98-2-12/46

Determining the Duration of the Hardening in Casting Processes as a Signific Method of Research

The dependence between the duration of bandering and the massive $\left(\frac{Q_V}{\Theta_{\text{orit}}}\right)^2$ is linear (see Fig.1). The prolongation of the

duration of cardening leads to a statilization of the primary orystalling parts. The dependence between the furation of hardening and the size of the primary grains (F) of the all years of the system Fe-Ni-Cr-C (with 0,15% C and 20% Cr) was found. There is a derect relation between the duration of hardening and the mechanical properties of the alloys. From the course of the hardening curves may be seen that three points form. The hardening conditions of sheel have an effect of the management of the engateding conditions of the steel alloys. In the case of a slow nardening and a longer physical alloys. In the baphase one is very tig. Alloys with an extended biphas, tone of the hardening pricess have a commanditively long partial of the hardening and the fluidity was four, which may to expressed

Card 2/3 the following way: $\lambda = f\left(v_{\rm g}, \frac{\tau_{\rm g}}{\tau_{\rm g}}\right)$ ($v_{\rm g}$ = interior of Parison

Determining the Duration of the Hardening in Casting Processes as a Scientific Nethod of Research

ing). The results obtained and the calculations of the duration of hardening show that a new and valuable method was found which supplies useful information as to the character of the onystallization, the phase diagram, the fluidity, the physical constants and the mechanical properties.

There are 5 figures. and 2 references, 2 of which are Soviet.

ASSOCIATION: Leningradakly pollhokhno heakny inspiruo (Lenongral Polyhacho nibal Inschole)

SUBMITTED: Outribum 7, 1957

Card 3/3

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 day, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-**E48**R0005

GIREHOUICH 11.6.

AUTHOR:

None Given

117-58-5-23/24

TITLE:

All-Union Conference of Foundry Workers (Vsesoyuznoye sovesh-

chaniye liteyshchikov)

PERIODICAL:

Mashinostroitel', 1958, Nr 5, p 48 (USSR)

ABSTRACT:

At the end of 1957, an All-Union conference rook place in Moscow on scientific research in casting. After the plenary session the meeting broke up into the following 5 sections: iron casting, steel casting, technology of the casting form, non-ferrous casting, and equipment. A total of 45 reports were given. Representatives of the satellites also participated. V.M. Shestopal, Candidate of Technical Sciences (Giprostanck) reported on "The Latest in Projects of Foundry Shops and Plants". I.P. Yegorenkov, Candidate of Technical Sciences reported on "The Latest in Projects of Casting Machines". N.G. Girshovich, Professor and Doctor of Technical Sciences (LPI imeni Kalinin) reported on the important research work being accomplished in determining the continuity of solidification of castings. A.F. Landa, Professor, Yu.A. Litvintsev, Engineer and Florin of the Moskovskiy institut khimicheskogo mashinostroyeniye (Moscow Institut of Chemical Machine Build-

All-Union Conference of Foundry Workers

117-58-5-23/24

ptember 17, 2002

ing) reported on increased corrosion resistance and heat resistance of high-test iron with ball-shaped graphite. A.Ye. Krivosheyev, Professor of the Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute) reported on "The Crystallization of Chilled Iron". B.S. Mil' man, Candidate of Technical Sciences (TSNIICMASH) reported on "The Formation of Ball-Shaped Graphite and Prospects for Receiving High Test Iron". N.D. Titov, Candidate of Technical Sciences (Automobile Plant imeni Likhachev) reported on "Conveyor Mass Production at ZIL". G.I. Kletskin, Candidate of Technical Sciences (Stankolit) spoke on "Improvements of the Process of Melting Iron in Cupola Furnaces". N.V. Gel'perin Candidate of Technical Sciences (NII TSKhM) reported on "Production of Crank Shafts for Tractor and Harvester Engines". I.N. Frolov, Engineer of the Barnaul'skiy kotel'nyy zavod (Barnaul Boiler Plant) reported on the centrifugal casting of important iron and steel parts. Ye.M. Baturin, Engineer, reported on "Risers in Exothermic Heat Treatment". N. Ya. Kogan, Engineer, (VPTI, GLAVNIIP at GOSFLAN USSR) reported on "A New Technology of Producing Large Castings in Mechanized

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All-Union Conference of Foundry Workers

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Caissons". N.N. Belousov, Candidate of Technical Sciences and A.A. Dodonov, Engineer, K.G. Kovvi and D.G. Mednikov talked about casting under pressure by using a vacuum. G.S. Taburinskiy, Engineer (NIILITMASH) reported on automatic machines for shell moulds and cores. The work of the conference will be published in 1958.

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1. Foundry workers-Conference-USSR

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"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

GIRSHOVICH, Naum Grigor'yevich, doktor tekhn. nauk, prof.; IOFFE, A.Ya., kand. tekhn. nauk, red.; GVIRTS, V.L., tekhn. red.

[Present state of the graphitization theory] Sovremennoe sostoianie teorii grafitizatsii; obzor. Leningrad, 1959. 90 p. (MIRA 14:10) (Cast iron—Metallography)

507/148-59-2-13/24

18(3)

Girshovich, N.G., Doctor of Technical Sciences, Professor

AUTHOR:

The Problem of the Possibility of Graphite Crystallization From Oversaturated Homogeneous Austenite (K voprosu o vozmozhnosti kristallizatsii grafita iz peresyshchennogo

odnorodnogo austenita)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya,

1959, Nr 2, pp 107-109 (USSR)

ABSTRACT:

The possibility of the spontaneous formation of graphite nuclei in oversaturated austenite was the subject of a discussion between Professors K.P. Bunin and V.F. Zubarev. Since the possibility of spontaneous nucleus formation was accepted for liquid smelts, the author suggests to apply this

concept also for the solid state.

ASSOCIATION:

Leningradskiy politekhnicheskiy institut (Lenigrad Polytech-

nical Institute)

BR0005

SOV/122-59-3-34/42

AUTHOR: Girshovich, N.G., Doctor of Technical Sciences, Professor

TITLE:

"The Design Strength of Cast Iron with Spheroidal Graphite" (Konstruktsionnaya Prochnost' Chuguna S Sharovidnym Grafitom) by Kudryavtsev, I.V., Savvina, N.M., Baranova, N.B. et al. Mashgiz.

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 86-87 (USSR)

ABSTRACT: Indifferent review.

24(2)

COT (129-59-7-13/95

AUTHOR:

Girshovich, M.G., Poctor of Technical Sciences

TITLE:

Interrelation Petween the Processes of Rolidification and Crystallization

PERIODICAL:

Titeynoye Proizvodstvo, 1950, Mr 7, pp 31-74 (1935)

ABSTRACT:

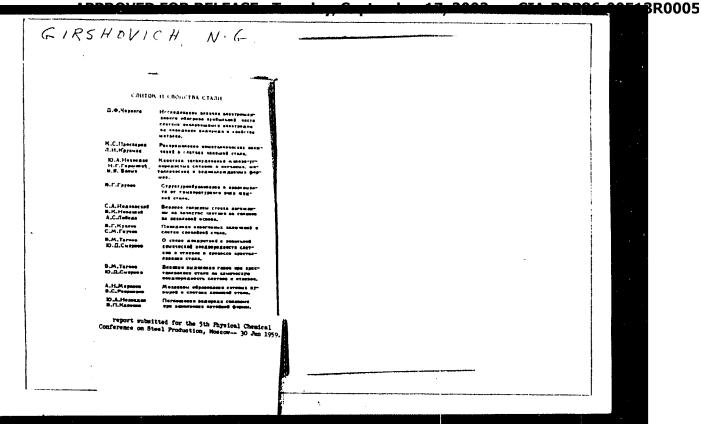
The problem of solidification of liquid alloys is in the discussion stage: the physical process might be named solidification, but not so for the later starting crystallization, which has to be regarded as a physico-chemical process. These separate processes have been explained sufficiently in literature, but the interdependence of both these processes has not been examined sufficiently. The author accepts the experiments made by P. Vr. Jubov (leademy of sciences, 1957) on Physico-Chemical Fundamentals of Steel Production as a basis. In connection with the existing differences of opinion with regard to the velocity of solidification and crystallization the author quotes

507/127-55-7-13/25

Interrelation Petween the Processes of Solidification and Crystallization $% \left(\frac{1}{2}\right) =0$

M. Werry (in Ponderie, 1957, Mr 141). Wis latest research work (together with Yu. 1. Mekhendsi nublished in Doklady Vysshey Mhkoly, 1952, Mr 1) has proved that the transformation within the metal are not controlled by the crystallization but by the process of solidification. There are 4 diagrams and 9 references, 7 of which are Soviet and 1 English

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BR0005 GIRS HOUICH, orterize, S.R., L.D. Berrye, and L.R. Dank. Develoption of the heaf Best bease and Structure of Som Love-San Kiloys, Deposing on their Composition community that solisation of by articles deals with warrow problem in the production of host-resistant allays. By-FAI strength to paid to the mechanisms of deformation of main while as solitard, and means for increasing the mean statistics and failures of means for which as solitard, and means for increasing the heat washings and placeticity are described. Assembly to special problems the production of the second statistic for the second stat heming day, and S.B. Healenker. In well-gather of the Fine Structure of Suprames in Section 2 Alicys Birthout, Fr.A. & Manageritt', M. J. J. S. St. M. St. M. St. M. S. St. M. Althorn, E.S., A.L. Moll, and T.P. Engralia. Electron Microsopia Terestimation of Information and Police of Righ-Allying Steels Fridmen, Bulb. Pour Periods of Microscopie Flow, Greep, and Pallace FUNCTION This book is in braided for research without in the field of physics of mining and for miningrism, particularly to a spring on beautresistant deringshor, A.F., and T.A. Litthcher. The Present State of the Problem of Treversible Thermal is furnation of folial bodies Bentler, I. L., 1-1. Prystales, and 0.1. doblares. Effect of the time better as he describe of the Objects Compatition has believed at the Re-Component Opins Mode - 8 - M - Al Alicy enidemanium po karapyrodnym spinau, tem 6 (Investigations of Bair-Bailetank Allary, Vol. 6) Hoscor, 1960. 519 p. Hrava slip insertani J,000 ampies printani. ANAZIARE: Library of Cingress Mitch. Lim, and V.L. Taryllin. Affect of Structure Stability on Beighelstanes North Libert L. P. Berth (Decemb) Acadest-Lus, G. V. Dirdymor, E. V. Lairer, Corresponding School, Acadest of Science 1992 (Parp. 22.), T. A. Mille, L. K. Harter, and L. F. Malin, Contlitive of Sciences 200, Control of Sciences 200, at Sciences maering Amaey: Ataioniya nauk fiffi. Institut metailurgii loosi A. A. Beytera. Bactery: serat po problem champrocheyti splavov. design mask 2022. Bracknyy sows po problem shareprochayth splassy SOLINITOLETS NOOF 1 SOUR ጀ ğ 3 \$ ä 13

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86-BR0005 Coreshovichija 38. Minchier, N. T. Achievements in the Field of Production of Production of Minchies Constitute Schemoidal Oraphite Becent Activities to Foundto (Cont.) masp. Ed.: Yu. A. Neichendri, Doctor of Technical Sciences, Frofessor; Eds.: N. G. Giranorich. Doctor of Technical Sciences, Frofessor, and K. F. Lebeday, Docent; Managing Ed. for Literature on Reavy Machine Building (Laningrad Department, Managing Te. F. Manusay, Enginer; Tern. Eds.: Ye. A. Diugokanskaye, and L. Y. Shohetinine. Borremannys dostizhenira liteynogo proizvodstvaj trudy machrezorskoy nauchno-tektnicheskoy konferenteli (Recent Achleveante in Pounding: Transations of the Scientific and Technical Conference of Sciencis of Higher Scientics Memory, Mandiel 1970. 336 p. Errata slip inverted. 4,000 copies printed. Leningrad. Politekimicheskiy institut ۶. ٥ COVERAGE: This collection of articles discusses problems in founding processes. Endividual articles treat the selting TORPOSE: This book is intended for the technical personnel of foundries. It may be used by students of the field. of metals and their alloys, sechanization and extensition of casting processes, aspects of the manufacture of steal, cast iron, and nonferrous satal eastings. No precondities are mentioned. References accompany individual articles. Office (1915 N. 3), and A. Ys. Doffe Phosphide Eutetic, Charalteristic Feetures of its Structure, and its Effect on Cast Iron Properties Character 2. M. Problems of Jrain Refining of Some Copper Allo, , Endformers, N. M. Invastigation of depaittining the Enginetia billied Righ-Million Malieable Cast Iron White is to I more ment of Magnestum-Hadified Cast That Transfer Vehicle Bairist, P. T. Effect of Nitropen on the Structure and Marchintosi Properties of Gray Cast Iron PHASE I BOOK EXPLOITATION NONFERROUS NETAL CASTINGS

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NEKHENDZI, Yu.A., prof., doktor tekhn.nauk, otv.red. (Leningrad);
GIRSHOVICH, N.G., prof., doktor tekhn.nauk, red. (Leningrad);
LEBEDEV, K.P., dotsent, red.; DLUGCKANSKAYA, Ye.A., tekhn.
red.; SHCHETININA, L.V., tekhn.red.

[Modern achievements in foundry practice: transactions of the Intercollegiate Scientific Technological Conference] Trudy Mezhvuzovskoy nauchno-tekhnicheskoy konferentsii. Sovremennye dostizheniia liteinogo proizvodstva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 338 p. (HIRA 13:6)

1. Mezhvuzovskaya nauchno-tekhnicheskaya konferentsiya, 1957.
(Founding)

2513R0005

GIRSHOVICH, N.G.

Effect of overheating during melting and modification on the properties of gray cast iron. Idt.proizv. no.7:26-32 Je '60. (MIRA 13:7)

(Cast iron)
(Metals, Effect of temperature on)

BR0005

NEKHENDZI, Yu.A.; GIRSHOVICH, N.G.; GRUZNYKH, I.V.; BILYKH, V.Ya.; KUPTSOV, I.V.; SIMANOVSKIY, M.P.; ANTIPOV, M.V.

Foundry properties of heat-resistant alloys. Issl. po sharopr. splav. 6:308-313 '60. (MIRA 13:9) (Heat-resistant alloys)

sov/5458

PHASE I BOOK EXPLOITATION

- Girshovich, Naum Grigor'yevich, Doctor of Technical Sciences, Professor, ed.
- Spravochnik po chugunnomu lit'yu (Handbook on Iron Castings) 2d ed., rev. and enl. Moscow, Mashgiz, 1961. 800 p. Errata slip inserted. 16,000 copies printed.
- Reviewer: P. P. Berg, Doctor of Technical Sciences, Professor; Ed.: I. A. Baranov, Engineer; Ed. of Publishing House: T. L. Leykina; Tech. Eds.: O. V. Speranskaya and P. S. Frumkin; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.
- PURPOSE: This handbook is intended for technical personnel at cast-iron foundries. It may also be of use to skilled workmen in foundries and students specializing in founding.
- COVERAGE: The handbook contains information on basic problems in the modern manufacture of iron castings. The following are discussed: the composition and properties of the metal; the making of molds; special casting methods; the charge preparation; melting Card 1/11

DIA-RDP86-**2051**3R0005

Handbook on Iron Castings

sov/5458

and modifying the cast iron; pouring, shaking out, and cleaning of castings; heat-treatment methods; and the inspection and rejection of castings. Information on foundry equipment and on the mechanization of castings production is also presented. The authors thank Professor P. P. Berg, Doctor of Technical Sciences, and staff members of the Mosstankolit Plant, headed by the chief metallurgist G. I. Kletskin, Candidate of Technical Sciences, for their assistance. References follow each chapter. There are 287 references, mostly Soviet.

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GIRSHOVICH, N.G.

Analysis of preshrinkage expansion and the volume of skrinkage cavities in cast iron. Lit. proizv. no. 2:27-31 F '61.

(MIRA 14:4)

(Expansion (Heat)) (Cast iron-Defects)

CIA-RDP86-00513R000

CIA-RDP86-20518R0005

GIRSHOVICH, N.G. (Leningrad); NEKHENDZI, Yu.A. (Leningrad)

Isotherms or lines of equal overheating? Izv. AN. SSSR. Otd. tekh. nauk. Met. i topl. no.3:140-142 My-Je '61. (MIRA 14:7) (Metals—Thermal properties) (Curves, Isothermal)

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

GIRSHOVICH, Naum Grigor'yevich, doktor tekhn. nauk, prof., red.;

IOFFE, A.Ya., kand. tekhn. nauk, red.; BORODULINA, I.A.,
red. izd-va; SHCHETININA, L.V., tekhn. red.

[Production and properties of cast iron with speroidal graphite] Poluchenie i svoistva chuguna s sharovidnym grafitom. Moskva, Nashgiz, 1962. 351 p. (MIRA 15:4) (Cast iron—Metallography)

CIA-RDP86-00513R000

CIA-RDP86-00518R0005

GIRSHOVICH, N.G.; NEKHENDZI, Yu.A.

Effect of inoculation on the crystallization of alloys. Lit. proizv. no.5:19-25 My 162; (MIRA 16:3) (Founding)

GIRSHOVICH, N.G.; SIMANOVSKIY, M.P.

Bending of castings during cooling in the mold. Lit. proizv.
no.2:22-26 F '63. (MIRA 16:3)
(Metal castings-Defects) (Thermal stresses)

GIRSHOVICH, N.G.; LEBEDEV, K.P.; NEKHENDZI, Yu.A.

Expansion of ferrous and nonferrous alloys before shrinkage. Lit.proizv. no.4:23-28 Ap *63. (MIRA 16:4) (Alloys)

CIA-RDP86-00513R0005

GIRSHOVICH, N.G.

Mechanism and calculations of casting sags in molds. Lit. proizv. no.6:47-48 Je '63. (MIRA 16:7)

(Founding-Dafeets)

CIA-RDP86-00513R000

CIA-RDP86-00E18R0005

GIRSHOVICH, N.G.; NEKHENDZI, Yu.A.

Theoretical basis of investigating the founding properties of alloys. Trudy LPI no. 224:24-60 163. (MIRA 17:9)

GIRSHOVICH, N.G., doktor tekhn.nauk; TOFFE, A.Ya., kand. tekhn.nauk; ALEKCEYEV, A.G., İnzh.

Effect of shape on the shrinkage defects and the accuracy of iron castings. Lit. proizv. no.7:29-32 J1 65. (MIRA 18:8)

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66 ENT(1)/ENP(m)/ENA(d)/ETC(m)
SOURCE CODE: UR/0421/66/000/001/0151/0153 BR0005

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AUTHOR: Girshovich, T. A. (Moscow)

AP6010858

ORG: none

TITLE: A turbulent jet in a drifting flow

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 1, 1966, 151-153

TOPIC TAGS: fluid mechanics, jet stream, jet flow, shear stress, pressure gradient, velocity profile

ABSTRACT: The problem of two-dimensional jet issuing from an infinite thin slot. and expanding at a certain angle toward an infinite flow is approximately formulated. It is assumed that the jet axis is a streamline, the shear stress on the axis is equal to zero, and the transverse displacement of the jet axis is constant. The solution is obtained by using the well-known integral method of the boundary layer theory. The jet parameters such as axial velocity the external and internal boundaries of the jet are determined. The velocity profile is obtained by the Prandtl formula for shear stress. It is shown that the longitudinal and transverse pressure gradients have no effect on the relative velocity profile. Orig. art. [AB] has: 1 figure and 18 formulas.

SUB CODE: 20/ SUBM DATE: 20Mar65/ ORIG REF: 007/ OTH REF: 002

CIA-RDP86-00513R000

BR0005

ACC NR: AP6034548 SOURCE CODE: UR/0421/66/000/005/0121/0126

AUTHOR: Girshovich, T. A.

ORG: none

TITLE: Theoretical and experimental study of a flat turbulent jet in a cocurrent flow

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 5, 1966, 121-126

TOPIC TAGS: jet flow, jet mixing, jet propulsion, air is estaing engine turbulent jet, turbulent mixing

ABSTRACT: An analysis was made of the initial section of a flat turbulent jet discharging into a cocurrent stream, and the results were compared with experimental data. The analysis was made in a system of curvilinear orthogonal coordinates where the curved jet axis was taken as the abscissa and the normal to it as the ordinate. The following assumptions were made: the jet axis is the zero flow line; the curvature radius of the jet axis is constant in the initial section; in the flow core, which has a constant total pressure, the transverse velocity is considerably smaller than the longitudinal velocity; the mixing path lengths are different in the external and internal mixing zones; the

ACC NR: AP6034548

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mixing path length is proportional to the thickness of the mixing zone; and in each mixing zone the velocity profiles are similar. The following system of ordinary differential equations was derived and solved on an electronic computer:

$$\begin{split} f_1b_i' + f_2y_{2i}' + f_3 &= 0, \quad f_4b_i' + f_4y_{2i}' + f_6 = \pm \frac{103}{35} \beta^3 (u_{1i} - u_{5,i})^3, \\ \left(\beta^2 = \frac{i_1}{b_1^2} - \frac{l_2}{b_2^2}\right) \\ f_1 &= \frac{9}{70} u_{5,i}^2 - \frac{13}{35} u_{1i}^2 + \frac{17}{70} u_{1i} u_{5,i} + \frac{bi}{35R} (6u_{1i}^2 - 20u_{5,i}^2 + 9u_{1i} u_{5,i}) \\ f_2 &= \frac{bi}{70R} (78u_{1i}^2 + u_{1i} u_{5,i} + 26u_{5,i}^2) - u_0 (u_{1i} - u_{5,i}) \exp\left[-\frac{b_{0i} + y_{2i}}{R}\right] \\ f_3 &= \frac{u_{5,i}^2}{70} \left[b_i (53u_{5,i} - 18u_{1i}) + \frac{b_i^2}{R} (40u_{5,i} + 9u_{1i})\right] \\ f_4 &= -\frac{1}{140} (43u_{1i}^3 + 113u_{5,i}^3 + 27u_{1i}^2 u_{5,i} + 97u_{1i} u_{5,i}^3) + \\ &\quad + \frac{bi}{R} \left(\frac{155}{462} u_{1i}^3 - \frac{241}{385} u_{1i}^3 u_{5,i} + \frac{2033}{770} u_{1i} u_{5,i}^3 - \frac{1}{110} u_{5,i}^3\right) \\ f_5 &= -u_0 (u_{1i}^3 - u_{5,i}^3) \exp\left[-\frac{b_{02} + y_{2i}}{R}\right] + \frac{bi}{R} \left(\frac{43}{28} u_{1i}^3 + \frac{27}{35} u_{1i}^3 u_{5i} + \frac{43}{70} u_{5,i}^3\right) \\ &\quad + \frac{151}{140} u_{2i} u_{5,i}^3 + 27u_{1i}^3 - 86u_{1i} u_{5,i}^3\right) + \frac{b_i^3}{11R} \left(\frac{61}{21} u_{1i}^3 + \frac{523}{21} u_{1i} u_{5,i}^3 + \frac{3}{6} u_{1,i}^3\right) u_{5,i}^3, \end{split}$$

ACC NR: AP6034548

where i=1 for the external mixing zone; i=2 for the internal mixing zone; u_{δ} i=1 the velocity at the outer boundary of the mixing zone; u_{11} = the velocity at the boundary of the flow core; and b_{11} = the width of the mixing zone. Results calculated by the equation are plotted in Fig. 1. For purposes of comparison, experiments were conducted with a

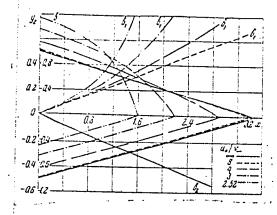


Fig. 1. Change of the boundaries of the flow core and thickness of the mixing zone for 3 = 0.09 for various velocity ratios of the jet and the cocurrent stream.

Card 3/4 .

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ACC NR: AP6034548

1.5-mm wide nozzle, 300 mm long to study the main section and with a 5-mm wide nozzle, 100 mm long for the initial section. The theoretical solution quantitatively and qualitatively described the jet propagation with the exception of the jet axis which was actually more curved than the theoretically calculated axis. Orig. art. has: 7 figures and 8 formulas. [WA-68]

SUB CODE: 20/ SUBM DATE: 23Jun66/ ORIG REF: 003

Card 4/4

#BR0005

GIRSHOVICH, V., inzh; YUROV, I., inzh.

New carburetors for "Moskvich" automobiles. Za rul. 17 no.11: 18-20 N '59. (MIRA 13:4)

1. Leningradskiy karbyuratornyy savod imeni Kuybysheva. (Automobiles--Engines--Carburstors)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 **BR0005** CIA RDPOC 0

GIRSHOVICH, Ye.I.

Treatment of closed fractures of the diaphysis of the hip. Trudy Len.gos.nauch.-issl.inst.travm.i ortop. no.7:105-119 158. (MIRA 13:6)

1. Iz otdeleniya neotlozhnoy travmatologii Leningradskogo instituta travmatologii i ortopedii i travmatologicheskogo otdeleniya bol'nitsy imeni Volodraskogo.
(HIP JOINT--FRACTURE)

₩R0005

GIRSHOVICH, Ye.I.

Reduction of dislocations of the lower jaw. E.I. Girshovich. Ortop.travm. i protez 19 no.2:67-68 Mr-Ap '58 (MIRA 11:5)

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GIRCHOVICE, Y. I.: Measure Med Col (Mes) -- "The breaking of compealed breaks of the diaphysis of the femur". Leningrad, 1959. 16 pp (Mir Health REFER, Leningrad Med Inst im Acad I. P. Pavlov), 200 copies (KL, No II, 1959, 110)

GIRSHOVICH, Ye.S., kandidat tekhnicheskikh nauk.

Introducing cermet tools in the plants of the ministry. Stroi.i dor.mashinostr. 1 no.1:28-29 Ja 56. (MIRA 10:1) (Gutting tools) (Powder petallurgy)

GIRSHOVICH, Ye.S., kand.tekhn.nauk.

Economic efficiency of using bimetallic and screwed bushings. Trakt, i sel'khozmash. no.11:42-43 N '59. (MIRA 13:3)

 Nauchno-issledovatel'skiy institut Traktorosel'khoznash. (Bearings (Machinery))

-RDP06-00513R0005

GIRSHOVICH, Ye.S., kand.tekhn.nauk

Machining a group of parts on a quickly readjusted machine-tool unit. Trakt. i sel'khozmash. 30 no. 12:34-36 D '60.

(MIRA 13:12)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya. (Machine-shop practice)

GIRSHOVICH, Ye.S., kand.tekhn.nauk; TRIFONOV, O.N., inzh.

Technological parameters of cutter heads of small milling machinery units. Trakt.i sel'khozmash. 31 no.2:40-42 F '61. (MTRA 14:7)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya.

(Milling machines)

18R0005

GARCHOVICHUS, S.Kh.; GIRCHOVICHUS, 1.kh.

Three-dimensional field of a magnetic recording head. Fadio-tekhnika 19 no. 4:76-79 Ar 164. (MilA 17:5)

1. Deustvitel'nyye chleny Nauchnowtekhnicheskogo obsachestva radiotekhniki i elektrosvyazi imeni iopeva.

BR0005

06267

SOV/107-59-6-31/50

AUTHORS:

Naydenov, A., Vorontsov, N., Girshovichus, S.

TITLE:

6(5)

Tape Recorder "El'fa-10"

PERIODICAL:

Radio, 1959, Nr 6, pp 27-29 (USSR)

ABSTRACT:

The Elektroteknnicheskiy zavod "El'fa" (Electrical Equipment Plant "El'fa") developed the tape recorder "El'fa10" ("Spalis") which is now in production. The electrical parameters of the tape recorder are in accordance with GOST 8088-56 for group "19". The tape winding mechanism is explained in three diagrams, Figures 1-3. The principal circuit diagram is shown in Figure 4. The tape recorder is designed for a tape speed of 190.5 mm/sec and for 360-m spools; recording or play-back on one track lasts 30 minutes. The second track is used by changing the spools. The recording level is controlled by a "magic eye", tube 6Ye5S. A keyboard-type switch is used. The three-stage preamplifier consists of one

Card 1/2

06267 SOV/107-59-6-31/50

Tape Recorder "El'fa-10"

6N2P and one triode of tube 6N1P. The other triode of the 6N1P works in the magnetizing and erasing generator. The generator consists of a tapped-coil circuit and works on 25 kc. The magnetizing current is 1.2 milliamps, the erasing current 45 milliamps. The LF output stage consists of one 6P14P tube. A full-wave rectifier is used, consisting of one 6Ts4P. For reducing background noise, the heating filament of tube 6N2P is fed by dc from a rectifier consisting of diodes DG-Ts24. The tone color control provides a steep slope of the frequency response curve at a frequency of 8,000 cycles of not less than 10db. At a frequency of 1,000 cycles, the voltage change does not exceed 3 db. Power consumption is 75 watts from 127- or 220-volt mains. Dynamic microphone MD-41 is used. The tape recorder is delivered with three spools, two of which hold tape. One of the spools is fastened inside of the cover. There are 1 circuit diagram, 3 diagrams, 1 sketch, and 2 tables.

Card 2/2

GIRSHOVICHUS, S.Kh., inzh.; LENDOVER, A.D., inzh.; SEDO7, I.N., inzh.

The "GARSAS" dictaphone. Mekh.i avtom.proizv. 17 no.9:47-50 S (MIRA 16:10)

GIPSHOVICHUS, S.Kh.; GIRSHOVICHUS, I.Kh.

Three-dimensional field of a magnetic recording head. Eadio-tekhnika 19 no. 4:76-79 Ap '64. (MIRA 17:5)

1. Devstvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popeva.

1. GORB, T. V., Prof.; GIRSHPAK, V. G.

2. USJE (600)

4. Karakul Sheep - Ukraine

7. Feeding and maintenance of Warakul ewes in the Ukraine. Mar. I zwer 6, No. 1, 1953.

 "APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002 SIA ROSS 3R0005 (STRSHTER), B.T. DECRASED (1961)

SEE ILC

CONSTRUCTION INDUSTRY

BR0005

ZHILKIN, I., arkhitektor; GIRSHTEL', G., inzh.

Factory finishing of wall slabs. Zhil, stroi. no.4:19-21 '62.

(MIRA 15:5)

(Finishes and finishing) (Concrete walls)

ZHILKIN, I., arkhitektor; GIRSHTEL', G., inzh.

Industrial wastes for finishing wall panels. Zhil. stroi. no.l: 20-22 '62. (MIRA 16:1)

(Finishes and finishing)
(Lugansk Economic Region-Walls)

E13R0005

SHUPOV, L.P.; BELONOZHKO, I.F.; GISHCHUK, BaV.; KONONOVA, A.P.; MASLENNIKOVA, K.P.; SVERDEL', E.I.; ARTEMOVA, A.A.

Selection of a synthetic fiber filter cloth for thin iron ore concentrators. Gor.zhur. no.10:60-62 0 164.

(MIRA 18:1)

1. Nauchno-issledovateliskiy i proyektov institut po obogashcheniyu i aglomeratsii rud chernyki metallov, Krivoy Rog (for
Shupov, Belonozhko, Gishchuk). 2. Ukrainskiy hauchno-issledovateliskiy institut po pererabotke iskusstvennogo i sinteticheskogo
volokna (for Kononova, Maslennikova). 3. Yuzhnyy gorno-obogatitelinyy kombinat, Krivoy Rog (for Sverdeli, Artemova).

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CIA-RDP86-00513R000 CIA-RDP86-06513R0005

GIRSHVAL'D, L.Ya.

[History of the invention of logarithms] Istoria otkrytia logarifmov. Khar'kov, Izd-vo gos. univ., 1952. 31 p. (MLRA 9:9) (Logarithms)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

BR0005

GIRSHVAL'D L.Ya

Probability theory at Kharkov University. Uch.zap.KiiGU 65:65-73

156. (MIRA 10:7)

(Kharkov--Probabilities--Study and teaching)

■R0005

GORDEVSKIY, Dmitriy Zakharovich; LEYBIN, Aleksandr Sergeyevich; GIRSHVAL'D, L.Ya., dots., retsenzent; GAYDUK, Yu.M., retsenzent; BLANK, Ya.P., prof., otv. red.; NESTERENKO, A.S., red.

[Popular introduction to multidimensional geometry] Fopuliarnoe vvedenie v mnogomernuiu geometriiu. Khar'kov, Izdvo Khar'kovskogo univ., 1964. 190 p. (MIRA 17:5)

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CIA-RDP86-00513R000 CIA-RDP86-00513R0005

VOROB'YEVA, Ye.V., kand. geofraf. nauk; GIRSKAYA, E.I.

Characteristics of the spring—summer season for the European territory of the U.S.S.R. and western Siberia in connection with the circulation intensity in the American sector of the Northern Hemisphere. Trudy GCO no.164:21-28 164. (MIRA 17:9)

RDR06-00518R0005

GIRSKIY, V.A.

BOTVINKO, M.Ye., laureat Stalinskoy premii, inshener; GIRSKIY, V.A., laureat Stalinskoy premii, inzhener; GCRBATOV, R.A., laureat Stalinskoy premii, inzhener [deceased]; LAPIR, F.A., laureat Stalinskoy premii, inzhener; EROMEERG, A.A., professor, redaktor; ARSEN'YEV, A.A., kandidat tekhnicheskikh nauk; TOVSTOLUZHSKIY, N.I., redaktor; KOVALIKHINA, N.F., tekhnicheskiy redaktor

[Concrete, asphalt concrete and rock crushing plants in road building; planned designs and standard equipment] Betonnye, asfal'tobetomye i kammedrobil'nye zavody na dorozhnom stroitel'stve; proektnye reshenila i tipovoe oborudovanie. Pod red. A.A.Bromberga. Moskva, Ministerstvo avtomobil'nogo transporta i shosseinykh dorog SSSR. Pt. 1. [Rock crushing, cement, and concrete plants and centers for the manufacture of concrete plates and reinforced concrete building units] Kammedrobil'nye i tsementobetonnye zavody tsekhi i bazy dlia izgotovlenila betonnykh plit i zhelezobetonnykh detalei. 1954. 160 p. [Microfilm] (Concrete) (Asphalt concrete) (HIRA 7:10) (Stone, Crushed)